



# The Journal

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February 12, 2015

## USU Earns Award for Research in E. Coli Diagnostic Testing

By Andrew Damstedt  
NSAB Public Affairs  
staff writer

According to the World Health Organization's website, outbreaks of E. coli – a disease that can become deadly if not treated properly – have become a common yearly occurrence, worldwide. A new diagnostic kit made with research from the Uniformed Services University of the Health Sciences staff seeks to identify the disease quicker.

Getting that research to be used commercially has earned the university its third consecutive Tech Transfer award, given annually to laboratories which successfully transfer technology to non-federal entities.

USU joins 15 other federal laboratories in earning the award from the Federal Laboratory Consortium this year.

Dr. Alison O'Brien, USU professor and chair of the microbiology and immunology department, has led research on Shiga toxin-producing E. coli for more than 20 years. That research has been used to make diagnostic kits, which can detect two strains of E. coli in about 30 minutes, allowing for a timely diagnosis so doctors can put in place an appropriate treatment plan.

"You shouldn't treat this infection with antibiotics, it can make it worse," O'Brien said. "So right away it would tell the physician that it was this particular type of infection and do not treat with antibiotics. A portion of people, particularly children, go on and get a much more severe disease, and there are recommendations that if children have this infection that they be hospitalized and monitored."

Other diseases, such as salmonella and Shigella, have similar symptoms to E. coli, said Dr. Louise Teel, USU associate professor of microbiology and immunology. The normal treatment for someone coming in with symptoms, such as bloody diarrhea, is to treat with antibiotics, she said.

"In the event that it is the E. coli causing this bloody diarrhea, that would be really disastrous," Teel said. "It's critical that they not be treated with antibiotics."

The problems with previous diagnostic kits were twofold: One, the kits weren't always sensitive enough to detect the different types of Shiga toxins and two, the kits were too expensive to be used routinely by community hospitals, Teel said.

E. coli can cause large food-borne outbreaks, such as those that occurred in the U.S. Northwest in the 1990s from undercooked meat, but the bug also can be



Photo by Andrew Damstedt

**Dr. Alison O'Brien, Uniformed Services University of the Health Sciences chair of the Microbiology and Immunology department, left and Dr. Louise Teel, associate professor of Microbiology and Immunology, show off a new diagnostic kit that used their research to detect the Shiga toxin-producing E. coli.**

transmitted from uncooked foods, such as a 2006 outbreak that was associated with bagged spinach.

"It's not that this bug is so overwhelmingly common, but because of the very severe effects in a proportion of people, it's not an organism that you hope anyone will come across," O'Brien said. "It doesn't take many organisms to get someone sick, so that's why big food-borne outbreaks can occur and why person-to-person spread can occur."

Getting the research to be used outside the federal government has been a long process, both O'Brien and Teel said. Realizing that took many parties, including efforts made by the Henry M. Jackson Foundation for the Advancement of Military Medicine, and that work to get the kits to be successfully used by a non-federal entity earned USU the Tech Transfer award.

O'Brien said she first worked with the Navy Research Lab to develop kits for the military, but those kits were never used outside the federal government. Then, in 2007, a partnership with a medical kit manufacturer to develop diagnostic kits was unsuccessful because the product was too difficult [to use] to distinguish a negative or positive response, Teel said.

It wasn't until a second diagnostic kit manufacturer used a platform which was easier to read, that the diagnostic kits have been more widely used, she said.

The kits use monoclonal antibodies, developed by O'Brien at USU, to detect the Shiga toxins produced by two strains of E. coli. A lab worker places a clinical sample in the center of a small white device with one and two marked on either side. Depending on which side a line forms, [the result] will tell the lab workers which type of Shiga toxin is present, if any.

"It's easy enough for anyone to do it, that's part of it," O'Brien said. "It's got to be simple. Simple. Sensitive. Fast."

The company manufactured two different kits: one that works in 15 to 20 minutes, and another that works overnight, but is more sensitive to the toxin. If the quicker diagnostic test comes back negative, lab workers shouldn't rule out the Shiga toxin until running the more sensitive test, Teel said. But getting the rapid-test out to community hospitals can help identify the E. coli faster, allowing appropriate treatment plans to be put in place sooner, she said.

USU's awards for the previous two years were for work on licensing a promising vaccine to reduce breast cancer recurrence rates (2014) and for developing the first treatment for and the first vaccine against the deadly Hendra and Nipah viruses (2013), according to information provided by USU.



**Part of a new diagnostic kit that used Uniformed Services University of the Health Sciences research.**

### *Can you answer these Black History Month Questions?*

1. First Black woman elected to Congress?
2. First Black mayor of a major U.S. city?
3. First Black person to receive the Nobel Peace Prize?
4. What is Malcom X's birth name?
5. Muhammad Ali's birth name?
6. Martin Luther King Jr.'s Birth name?
7. Who is the woman responsible for starting the Montgomery Bus Boycott?

See answers on Page 6.



# Commander's Column

It is important that we take the opportunity to celebrate what makes each of us special. This month, and indeed throughout the entire year, there are a number of national observances and diversity and heritage celebrations that we celebrate as Americans. These are extremely important, as they have made us who we are and our country what it is today. If not for the contributions of each group, the impact of those who have come before us, and the hard work and sacrifices made on our behalf, we would not be the society which we are today.

This week, rather than focusing on any single one of these events, I'd like to talk about the important concepts and common themes that all of these celebrations and opportunities to reflect provide to us. They have been woven into the American "tapestry", and although they are grouped under the term of "diversity", they have much in common.

Each of us, and our contributions, are special. It takes many different talents, a wide variety of contributions, a lot of dedication, and a lot of hard work to make any community, much less an entire society, work. Look around you. Everyone you see has demonstrated an uncommon level of dedication, regardless of their race, beliefs, social or economic position, orientation or any other factor, to be part of and contribute to our team. We are an all-volunteer active duty force and a group of civilians who choose to work along with us. We are made up of a microcosm of American society, and people are here because they want to be part of our mission. The Department of Defense, and our society, is better and stronger because of our differences, not in spite of them. These different perspectives and contributions, that everyone brings, are our strength.

For us to be as effective and formidable as we can, this requires us to be understanding of each other. When we respect the differences and perspectives that each of us brings, it leads to understanding. Understanding leads to appreciation, and appreciation leads to teamwork and unity. Even though our personal beliefs may differ, by recognizing what we can see in the beliefs of oth-



ers, from their own perspective, gives us a cohesive bond that is difficult to break. This, then, which leads to understanding leads to tolerance.

The Merriam-Webster.com online dictionary defines tolerance as, "Sympathy or indulgence for beliefs or practices differing from or conflicting with one's own." I also find the medical definition of tolerance particularly appropriate: "[The] relative capacity of an organism to

grow or thrive when subjected to an environmental factor." If you find yourself in situations where the beliefs of others differs from your own, are you listening to truly understand them, or are you busy mentally preparing your counter-response to discount their beliefs, or to explain why your belief is "better?" Like an organism that is exposed to environmental factors, we are exposed to different beliefs and cultures every day. When we take the time to listen to and understand others, to really get to know them, we mature and grow, increase our mutual appreciation, and strengthen ourselves, our organization, and our society in the process. I believe that this is a goal each of us should strive toward.

We all have something to celebrate, and that is the purpose of the national observances and diversity and heritage celebrations. That is what the common thread to us all is. It is not our differences or diversity, but that commonality in our pride for who we are and what we believe. I encourage each of you to look for these celebration opportunities throughout the year, and to get involved. Celebrate your culture and heritage, the culture and heritage of others, and help continue to move our society forward, so that the contributions and special talents of every group which makes us American, continues to be recognized, celebrated, and an essential part of what makes our Nation strong, now and into the future.

**All Ahead Flank,  
David A. Bitonti, Capt., DC, USN  
Commanding Officer  
Naval Support Activity Bethesda**

## Bethesda Notebook

### VERA/VSIP Window Open for Applications

A VERA/VSIP opportunity is available for National Capital Region Medical Directorate Department of Defense Civilian Employees. The window is open through Feb. 20 to apply for the Voluntary Early Retirement Authority/Act and Voluntary Separation Incentive Pay/Payment. Information regarding VERA/VSIP opportunity, briefing slides, application and more can be found on the NCR-MD home page at <http://www.capmed.mil/SitePages/Home.aspx/>. On the home page, click on the purple box VERA/VSIP 2015 for the following information: FY2015 VERA\_VSIP Employee Application; Military Buyback (CSRS); Military Buyback (FERS); VERA-VSIP Employee Briefing January 2015; VERA-VSIP Employee Handout Jan. 5; VERA-VSIP Helpful Information Jan. 14; and Change or Withdrawal Retirement Form. Questions regarding VERA or VSIP eligibility or general retirement and benefit questions may be sent to the Civilian Human Resource Center (CHRC) by emailing [dha.bethesda.ncr-medical.mbx.ncr-md-chrc@mail.mil](mailto:dha.bethesda.ncr-medical.mbx.ncr-md-chrc@mail.mil).

### Black History Month Observance

The Bethesda Multi-Cultural Committee will host a program in observance of Black History Month on Feb. 19 at 11:30 a.m. in the America Building (Building 19), lobby (piano area). Walter Reed Bethesda staff will perform at the program, which will also include food, cake and punch. For more information, contact Hospital Corpsman 2nd Class Buddhika R. Abeyratne at 301-295-4265.

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# WRNMMC to Hold Code White (active shooter) Exercise Through February

By Mass Communication Specialist 1st Class (AW) Chris Krucke  
WRNMMC Public Affairs staff writer

In an ongoing effort to improve the training and readiness of its security personnel and first responders, Walter Reed National Military Medical Center's (WRNMMC) Emergency Management Team will be conducting Code White (active shooter) drills throughout February.

These drills are part of the medical center's annual anti-terrorism force protection training.

According to Christopher C. Gillette, WRNMMC command

emergency manager, Code White is an emergency code utilized by the medical center to notify its staff of an active shooter incident, either on the installation or within the hospital.

He said the primary focus for these drills is to "ensure all staff can be rapidly notified and immediately expedite their area-specific shelter-in-place plans."

Melissa H. Knapp, Emergency Management Plans, Training, & Exercises program manager, WRNMMC, explained that during a drill, "upon notification of a Code White (active shooter), all patients and visitors will be told that we are conducting an exercise and will be escorted by

staff to their interior spaces to shelter-in-place."

Shelter-in-place procedures consist of clearing all patient waiting areas, reception desks and hallways, closing and locking all doors, turning off lights, closing blinds and silencing cell phones. "Basically, the hospital should look empty," said Knapp.

She continued "During a Code White (active shooter), staff and patients should shelter-in-place and remain hidden until evacuated by law enforcement."

The drills will be 15 minutes in duration and affect everyone in the hospital.

During the drills, staff will educate patients and visitors regarding the purpose of the

drill, inform them that the drill is being conducted to ensure their safety and security while visiting the hospital, and thank them for their participation, Knapp said.

"We realize that we also have a 24/7 patient care mission, thus during the drill, emergency movement will be permitted, services will continue, and all patient care/treatment in progress will continue behind closed doors," Gillette said

Sentries will be posted at all of the primary entrances throughout the hospital to provide information to incoming patients and visitors about the drill.

Medical center personnel should register for the AtHoc

wide area alert network if they have not already done so, as this will keep them updated of force protection conditions and other emergency, environmental, or exercise-related impacts in the area.

Personnel at Naval Support Activity Bethesda and other commands outside the medical center should register on the EverBridge network system.

For more about the Code White (active shooter) exercises, medical center staff can access the Code White instruction (WRNATMILMEDCEN-INST3020.02) on the intranet or look in their orange emergency procedures guidebooks posted throughout WRNMMC work spaces.

## 2015 National Prayer Breakfast

### WRNMMC Director Discusses Faith, Prosperity at Event

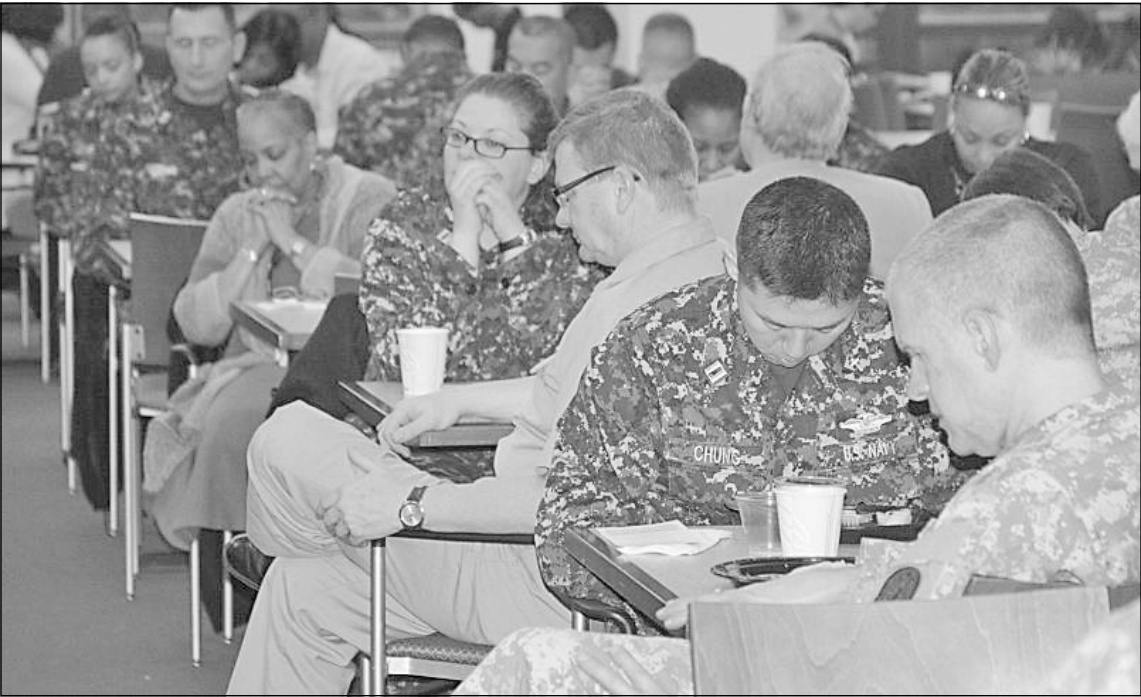
By Bernard S. Little  
WRNMMC Public Affairs staff writer

Walter Reed National Military Medical Center (WRNMMC) celebrated the 2015 National Prayer Breakfast on Feb. 5 in Tranquility Hall's Warrior Café.

Following an early-morning breakfast for attendees, guest speaker at the event, Army Brig. Gen. Jeffrey B. Clark, WRNMMC director, discussed the significance of prayer in his life and the comfort and peace of mind it provides him by doing it often.

This year's theme for the event was "Building Community through Prayer," and chaplains offered prayers for the nation, state and national leaders, and military personnel. Retired Air Force Master Sgt. Douglas Jordan provided special music during the service.

The annual Walter Reed Bethesda prayer breakfast is held in conjunction with the National Prayer Breakfast, which is hosted on the same day by the president in Washington, D.C., on the first Thursday of February. The National Prayer Breakfast has taken place each year since 1953, and was established to build relationships, faith and



Staff pause for a moment of prayer and reflection during the observance of the 2015 National Prayer Breakfast on Feb. 5 in Tranquility Hall's Warrior Café.



A Sailor prays during the observance of the 2015 National Prayer Breakfast on Feb. 5 in Tranquility Hall's Warrior Café.

unity throughout the country.

"We pray today for our nation's leaders and our hospital commander. Give them the wisdom to know what is right, and the courage to do it," said Chaplain (Navy Capt.) Sal Aguilera, chief of WRNMMC's Department of Pastoral Care, which organized the event.

Also in prayer for the nation, Chaplain (Navy Lt.) Daniel Chung said, "Heal our country of fear and hatred that stem from differences, that we might no longer be indifferent to the discrimination some of our people face, [and] we might go forth as one nation, with love for our neighbors and preserving life."

Chaplain (Army Lt. Col.) John O'Grady, in prayer for leaders, said, "Surround them with wise and prudent counsel, [and] give them the strength to accept with serenity the things which cannot be changed, courage to change the things which should be changed, and the wisdom to distinguish one from the other. Bless the families of our leaders who make sacrifices for them in order that they may serve our nation."

In prayer for the military, Chaplain (Navy Lt. Cmdr.) Patrick Ray, chaplain for the Uniformed Services University of the Health Sciences, said, "We pause with respect

and concern for those who don the cloth of our nation, and are called upon to go into harm's way to protect and secure our homeland and our world ... strengthen and protect them on the day of battle, and in the time of rest and training, keep them safe from all evil. May their efforts further the cause of peace throughout the world, and bring us closer to the day when nation shall not lift up sword against nation, neither shall they learn war anymore. For those living with battle

See PRAYER page 6



# Making Sailors 'SAFFiR'

## Navy Unveils Firefighting Robot Prototype at Naval Tech EXPO

By Tammy White,  
Office of Naval Research  
Public Affairs

Scientists unveiled a firefighting robot prototype Feb. 4 at the Naval Future Force Science & Technology EXPO, revealing details about its successful demonstrations last fall.

The Shipboard Autonomous Firefighting Robot (SAFFiR), sponsored by the Office of Naval Research (ONR), walked across uneven floors, used thermal imaging to identify overheated equipment, and used a hose to extinguish a small fire in a series of experiments Nov. 3-5, 2014 aboard the USS Shadwell, a decommissioned Navy vessel.

Developed by researchers at Virginia Tech, the two-legged, or bipedal, humanoid robot is helping ONR evaluate the applications of unmanned systems in damage control and inspections aboard naval vessels, supporting the autonomy and unmanned systems focus



U.S. Navy photo by John F. Williams

**The Office of Naval Research-sponsored Shipboard Autonomous Firefighting Robot (SAFFiR) undergoes testing aboard the Naval Research Laboratory's ex-USS Shadwell in Mobile, Ala.**

area in the Navy's Science and Technology Strategy.

"We set out to build and demonstrate a humanoid capable of mobility aboard a ship, manipulating doors and fire hoses, and equipped with sensors to see and navi-

gate through smoke," said Dr. Thomas McKenna, ONR program manager for human-robot interaction and cognitive neuroscience. "The long-term goal is to keep Sailors from the danger of direct exposure to fire."

SAFFiR stands 5 feet 10 inches and weighs 143 pounds. The unique mechanism design on the robot equips it with super-human range of motion to maneuver in complex spaces.

"Balancing on any type of terrain that's unstable - especially for bipedal robots - is very difficult," said Brian Lattimer, associate professor for mechanical engineering at Virginia Tech. "Whole-body momentum control allows for the robot to optimize the locations of all of its joints so that it maintains its center of mass on uncertain and unstable surfaces."

Sensors, including infrared stereovision and a rotating laser for light detection and ranging (LIDAR), enable the humanoid to see through dense smoke. It is programmed to take measured steps and handle hoses on his own, but for now, takes his instruction from researchers at computer console.

"The robot has the ability to do autonomous tasks, but we

have a human in the loop to allow an operator to intervene in any type of task that the robot's doing," Lattimer said.

McKenna plans to sponsor a more advanced design as part of the long-term investigational research program. Blueprints include equipping the robot with enhanced intelligence, communications capabilities, speed, computing power and battery life for extended applications.

"We have taken a look at other kinds of sensors that you can put on these robots," he said. "For instance, a bipedal robot could be configured to take shipboard measurements, scan for corrosion and leaks, and identify changes to the shape of the room from its original configuration. By taking on these time-consuming tasks, SAFFiR could free up Sailors for jobs that more fully take advantage of their training and technical skillsets."

Even with added intelli-

See **ROBOT** page 6

## NSA Bethesda: From the Deckplates

### What is the Most Significant Military Medal/Award You Have Received?



"The Navy Commendation Medal is something that is rarely awarded to Navy personnel based on their status or accomplishments that they have achieved based on the time spent at the command. To have received the award says a lot because it's not automatic. It exemplifies what you accomplished, your work ethic and character."

- Navy Senior Chief Detrick Jones, Naval Support Activity Bethesda Security Department Leading Chief Petty Officer



"Different people get [the Combat Action Medal] for different reasons, but mine is because I was in a sticky situation and I had to do what I had to do. For me, it was a time in my life where it could go either one way or the other and you either do something about it or not."

- Marine Sgt. Ryan Keller



"The Army Pace Award is presented to one officer annually. I was surprised that my chain of command even put me in consideration for the award. The fact they thought that highly of me, and being the youngest and lowest ranking recipient of the award to date was a big deal to me."

- Army Capt. Lauren Hamlin, Warrior Transition Brigade - National Capital Region Commander, HHC



"[Receiving the Air Force Achievement Medal] means the most because it represents my deployment and the different things I've experienced. With the resiliency I displayed and situations I had to go through and just being away from my family, I came back and felt like I did what I was supposed to do and I served my purpose in the military."

- Air Force Staff Sgt. Shannon Thomas



# Darnall Medical Library Re-dedicated

## Facility Offers State-of-the-Art Services to Staff, Beneficiaries



Photo by Mass Communication Specialist 1st Class Christopher Krucke

**Army Brig. Gen. Jeffrey B. Clark, Walter Reed National Military Medical Center (WRNMMC) director (center), Kimberly D. Adams, director of the Darnall Medical Library at WRNMMC (center right), and WRNMMC and library staff members participate in a ribbon-cutting ceremony for the re-dedication ceremony for the Darnall Medical Library on Jan. 23. The library is located in the Tower (Building 1), third floor.**

**By Mass Communication Specialist 1st Class (AW) Chris Krucke**  
WRNMMC Public Affairs staff writer

The former Darnall Biomedical Research Center was renamed the Darnall Medical Library during a re-dedication ceremony Jan. 23 in the historic Tower (Building 1) at Walter Reed National Military Medical Center (WRNMMC).

The newly retooled facility, on the third floor of the building, offers resources to health-care providers and patients, anytime, anywhere.

"The resources of this library represent what Walter Reed Bethesda (WRB) is all about, and the potential is absolutely amazing," said Brig. Gen. Jeffrey B. Clark, the medical center director, during the re-dedication ceremony.

"Allowing patients access to our website, giving them the ability to ask questions concerning their health, and for Walter Reed Bethesda to be able to provide the answer to their questions, is absolutely incredible," the general continued.

Col. Michael Nelson, director for Education, Training and Research at WRB, agreed, adding he uses the library at least

five to six days a week to assist with patient care, clinical research and scholarly activities for the hospital and professional development.

During the ceremony, the Army colonel read from the obituary of Navy Capt. William L. Darnall, the library's namesake.

"Among his last accomplishments was the organization of the three departments of the Naval Dental School into a coordinate functioning unit. The clinical, teaching and research departments were so arranged as to minimize duplication of effort and to facilitate operation. All this was planned especially for the new dental school that is to open shortly at the [then] new [National] Naval Medical Center at Bethesda, Md."

Nelson added the Darnall Medical Library staff has "re-defined what a medical library really is. They broke down the definition by now allowing us to carry the library with us all day, every day. I carry my library in my personal phone with me everywhere and this is tremendous."

"Part of the reason for the re-dedication is for people to know that we are here," said Kimberly D. Adams, library director.

Along with the re-dedication, the library has upgraded its

services, Adams explained.

"This [month], we are rolling out a new consumer health portal (CHP) and its free electronic resources," she said. The CHP offers links to journals, databases, books, medication information, mobile resources and specialty portals.

The new CHP web page can be accessed from any computer or smart device from anywhere with internet or data access. It also offers several downloadable applications for searching databases which can be stored on e-books in a hand-held library. To do so, users must set up an ID and password.

The Darnall Medical Library also has more than 7,500 e-journals and 1,800 e-books, and subscribes to several major publishers.

"These are all sites that have been reviewed by medical librarians based on credibility, sponsorship, authorship, content and audience," Adams added.

Army Col. Jeffrey Ashley, senior nurse scientist at WRB, said he regularly uses the library. The colonel added he's not "tech savvy ... , but this new system is very convenient and very easy to use for a non-technical guy like me."

Ashley said he usually goes to specific newer databases fo-

cusing on more nurse-centric issues. He also said he uses the library for projects throughout the hospital and goes directly to the electronic journal catalogue looking for journals.

"I have worked with Ms. Adams to get several resources electronically so the nurses on the ward can access them when they need them, as opposed to cutting away to the library for a book," he continued. "They helped me out with a lot of things that would have been showstoppers in the past."

The library is also planning to have QR-codes posted throughout the hospital which will enable patients to scan a code, taking them directly to the library's resources where they can also search databases looking for specific answers to their situation, Adams explained.

If the patient or staff member cannot find what they are looking for, the site also offers an Ask-the-Librarian function, which allows researchers to directly ask questions to the library staff and they will assist in helping find what resource is being sought.

In addition to the library's resources and services, Adams said efforts have been made to better the facility's environment.

"We now have a good archive of our journals electronically, so we got rid of most of the old journals that were available in print because most people want them electronically," she explained.

With many of the print journals now electronic, Adams said the space has been repurposed. "We got rid of [some shelving] and replaced them with lounge furniture and a 55-inch TV monitor."

New couches in the library have power outlets allowing customers to plug in their electronic devices and not have to sit by a wall to recharge them.

Adams said that the idea was to make the library a meeting and relaxation space. Bearing in mind people come to the facility to study, she added there is a secluded area in the facility for that purpose.

"We invite people to schedule these spaces to be used for journal clubs or other collaborative functions," Adams said.

The Darnall Medical Library is located in Building 1 (the Tower), Room 3458, and is open Monday through Friday from 7 a.m. to 5:30 p.m. For more information on the library's services, call Kimberly Adams at 301-400-3041, or visit the website at: [www.wrnmmc.libguides.com/home](http://www.wrnmmc.libguides.com/home).



# PRAYER

Continued from pg. 3

scars and physical and spiritual injuries, renew and sustain them with your grace and mercy, and grant them the strength and perseverance to thrive and experience joy in the midst of pain. And for our honored dead, grant them eternal rest, and may life perpetual shine upon them.”

Following Ray’s prayer, Clark took to the podium, encouraging spiritual growth among those in attendance. “I encourage everyone to grow spiritually, however you may define that; whatever your faith or tradition is, spend time [doing that],” said the general.

He noted the Dalai Lama attended this year’s National Prayer Breakfast hosted by President Barak Obama. “The Dalai Lama said the secret of

happiness is compassion. He defines compassion as understanding where others are coming from, specifically, where they may be suffering. So the secret of my happiness is to understand the suffering of others, [which] I would suggest, sounds like the medical profession,” said the general, who is also a physician.

“The essence of the medical profession is a personal connection with others, understanding where they’re coming from, and meeting them where they are; go to them wherever they may be,” Clark continued.

Not long after assuming command of WRNMMC, the general employed a Prosperity Plan for medical center staff members, encouraging them to establish personal, professional, relationship and spiritual goals.

“I do a daily devotional,” Clark continued. “It’s very good for me because it reminds me to slow down, give thanks, [and realize] that everything is going to be okay.” Other spiritual goals of his, Clark

said, are to pray often and go to church. “For me, I find praying often may be better than praying intensely [less frequently].”

“My prayer for you, and for our entire nation, is that you will prosper, in your personal life, in your professional life, in your relationships and spiritually. May you be clear-minded and self-controlled so that you can pray often,” Clark concluded.

Chaplains of various denominations in WRNMMC’s Department of Pastoral Care are available for spiritual consultation 24 hours a day, seven days a week. During working hours, from 7:30 a.m. to 4 p.m. Monday through Friday, people can call 301-295-1510 to reach the Department of Pastoral Care. For emergencies after working hours and on weekends, call or ask a health-care provider to call the Command Duty Officer Desk at 301-295-4611 (select option 4) and ask to have the duty chaplain paged for assistance.

# ROBOT

Continued from pg. 4

gence, however, SAFFiR will take its instruction from Sailors and “fire bosses” working remotely in the event of a fire or other dangerous event.

“We’re working toward human-robot teams” McKenna said. “It’s what we call the hybrid force: humans and robots working together.”

ONR provides the science and technology necessary to maintain the Navy and Marine Corps’ technological advantage. Through its affiliates, ONR is a leader in science and technology with engagement in 50 states, 70 countries, 1,035 institutions of higher learning and 914 industry partners. ONR employs more than 1,000 people, comprising uniformed, civilian and contract personnel, with additional employees at the Naval Research Lab in Washington, D.C.

For more news from Office of Naval Research, visit [www.navy.mil/local/onr/](http://www.navy.mil/local/onr/).

## Black History Month Facts Answers

- 1. Shirley Chisolm
- 2. Carl Stokes, Cleveland, Ohio
- 3. Dr. Ralph Bunche
- 4. Malcolm Little
- 5. Cassius Clay
- 6. Michael King, Jr.
- 7. Rosa Parks

### STAFF POSITION AVAILABLE - PILOT

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Under the direction of the Dept. of Aerospace Engineering, the UMD UAS Test Site leverages the capabilities of the people and infrastructure in Southern Maryland and the University of System of Maryland for technical and policy issues associated with UAS. The UAS Test Site offers a collaborative approach to applying advanced capabilities to meet the challenges facing the UAS industry.

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# National Wear Red Day at WRNMMC



Photo by Katrina Skinner

Walter Reed National Military Medical Center’s Women’s Health, Cardiology, and Internal Medicine departments were in full support of National Wear Red Day, Feb. 6. The women’s health clinic encourages patients to schedule an annual physical appointment with Internal Medicine. Internal Medicine will refer all patients who require further testing and consultation to schedule an appointment in cardiology. Throughout the country last Friday, people wore red in support of heart disease awareness and prevention. February is Heart Health Month. For more information concerning heart disease, visit the NIH websites at <http://www.nhlbi.nih.gov/health/health-topics/topics/cad>, or <http://www.nhlbi.nih.gov/health/health-topics/topics/hdw>.

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